

Spring 2006 Conference FAQs

Question: When will the final DZero luminosity determination be available?

Answer: New luminosity electronics with improved capabilities were commissioned in late 2005. We expect to complete a re-evaluation of the acceptance and efficiency of the improved luminosity system by this summer.

Question: How does the DZero luminosity compare to CDF?

Answer: The integrated luminosities recorded by the two experiments are comparable. Luminosity used in the analysis also depends on other factors such as live time, data quality, etc. Nevertheless, both experiments have recorded more than 1fb^{-1} .

Question: When will you have more analyses with $\sim 1\text{fb}^{-1}$?

Answer: A reprocessing of the entire data set with improved calibration was completed this winter. First results from the full data set are appearing now and many more are expected this summer.

Question: Why hasn't DZero provided a W mass measurement, when will it be available?

Answer: This is an especially difficult measurement which requires complete understanding and simulation of the detector, especially the calorimeter. The calorimeter electronics were replaced for Run II and as a result the detector is essentially new. Calibration programs for the electromagnetic and hadronic sections are now complete. We are continuing to make good progress, but it is too early to predict a time for completion of the result.

Question: When will the DZero B_s mixing measurement be available?

Answer: We are intensively working on improving the analysis. We expect to have updated results this summer.

Question: When will you start combining results with CDF?

Answer: Three groups have been established to do so, the TEV-EW-WG, TEV-B-WG, and TEV-NPHIGGS-WG. The groups have already produced a number of combined results, four examples are the top mass, W&Z cross section combinations, direct measurements of the W width, and mass limits for gauge mediated symmetry breaking.

